COLUMBIA FOUNDATION SR. SEC SCHOOL

MATHS WORKSHEET NO. 1

KNOWING OUR NUMBERS

1) Write the Roman numeral for each of the following:

a) 59 b) 95 c) 324 d) 67 e) 447

2) Write each of the following Roman numerals as Hindu –Arabic numerals.

a) LXXXXIII b) XCV c) CDLXV d) MDCLIV e) CCXLIX

3) Classify the following numerals as meaningful or meaningless:

a) LVII b) VXVIII c) CLXXXX d) CCLXIV e) MVXV

4) Compare the following using >, < or =.

a) LV____XL b) LXXI_____ XLIX

c) XLIV____LXIV d) XC _____ XL

5) Give the answer for each of the following in Roman numerals:

a) XXXV + XL b) LIX + XI

c) XL + XXX d) L – XXXIX e) XCII-LXV

6) Write the place value of the underlined digits in the Indian and International systems of numeration.

a) 428794806 b) 7848001 c) 79134806

7) Write the expanded form of each of the following.

a) 183576152 b) 7898001 c) 1100948

8) Write the successor of each of the following.

a) 7998899 b) 15096789

9) Write the predecessor of each of the following.

a) 6700000 b) 10000000

10) Compare the following using > , < or =:

a) 5679834 and 5673834 b) 6780009 and 6708900

11) Rewrite the following numbers in the Indian and the International systems of numeration commas (,).

a) 54693045 b) 67613984

12) Round off the following numbers:

a) 3934555 to the nearest Ten b) 69 to nearest hundred

c) 1006 to the nearest thousand

13) Write the Roman numeral for each of the following:

a) 29 b) 12 c) 81 d) 94

14) Solve the following using the Roman numerals:

a) LX + XC b) DC+ XLIX c) XCIV- XL d) LIX+XXXVI + IX

15) Write the Hindu –Arabic numerals for the following:

a) XXIV b) XLVII c) CLIX d) CD

16) Estimate the difference by rounding off the numbers to the nearest hundred.

a) 6258 – 3125 b) 275 – 193

17) Estimate the sum (by rounding off the numbers) to the nearest ten.

a) 23 + 687 b) 2397 + 6587

18) Which digit of the number 70269 has the greatest place value?

19) Which digit of the number 96034 has the greatest face value?

20) A woman saves Rs. 561 every month .Estimate the amount of money saved by her in one year.

21) A packet can hold 154 screws .Estimate the number of packets required to pack 38, 45,952 screws.

22) In a town, there are 5106 men, 3, 982 women and 2, 016 children. Find the estimated population of the town by rounding off the numbers to the nearest hundred.

23) Fill in the blanks-

a) 1 lakh = _____ thousands.

b) 1 million = _____ lakhs

c) 100 million = _____ crores.

d) The whole number which is not a natural number is _____.

e) The whole number which does not have a predecessor is_____.

f) In a given set of numbers, which can be rounded off nearest to 70?

64, 59, 57, 63, 69, 61.

g) Write the greatest number which when rounded off to the nearest thousand becomes 9000._____

h) How many millions make one billion? _____

i) How many thousands make one million? _____

j) Find the difference between the place value and face value of 6 in the number 42638.

k) Repetition of a roman numeral means _____.

l) Symbol C in Roman numeral can be subtracted from _____ and _____.

m) Numbers are expressed both in words and _____.

n) Every number is written by using _____ symbol.

o) How many 2- digit numbers can be formed? _____.

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MATHS WORKSHEET NO. 2

H.C.F & L.C.M

1) Which of the following numbers are odd numbers?

a) 16 b) 7 c) 102 d) 277 e) 300 f) 197 g) 205

2) Find whether the first number is factor of the second number or not?

a) 15, 75 b) 13, 40 c) 14, 60 d) 7, 42

3) Express each as the sum of three odd prime numbers.

a) 31 b) 35 c) 41

4) Write the greatest prime number less than or equal to the following numbers.

a) 101 b) 67 c) 78

5) Write all multiples of-

a) 7 between 70 and 90 b) 21 between 100 and 200

6) Can the product of two prime numbers be prime? If yes, give an example.

7) Are 27 and 72 co-primes? If not, why?

8) Write all prime numbers between 30 and 50.

9) How many even prime numbers are there in the set of natural numbers? List them.

10) Write all prime numbers and composite numbers less than 50.

11) Write all pairs of twin primes less than 20 and find whether 49 and 51 are twin primes or not?

12) Write six pairs of co-prime numbers.

13) Write the multiples of 17 between 100 and 150.

14) Which of the following numbers are divisible by 2?

a) 168 b) 542 c) 3705

15) Which of the following numbers are divisible by 3?

a) 417 b) 8146 c) 5190

16) Which of the following numbers are divisible by 4?

a) 9564 b) 93030 c) 85548

17) Which of the following numbers are divisible by 5?

a) 560 b) 3807 c) 9865

18) Which of the following numbers are divisible by 9?

a) 3159 b) 7218 c) 7878

19) Which of the following numbers are divisible by 7?

a) 364 b) 1505 c) 3192

20) Test whether 769483 is divisible by 11.

21) Test whether 18198 is divisible by 6.

22) Test whether 1728 is divisible by both 8 and 9.

23) Test whether 75210 is divisible by 10.

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MATHS WORKSHEET NO. 3

Natural Numbers & Whole Numbers

1) State which property do the following represent?

a) 50+(28+140)=(50+28)+140 b) a x b=b x a

c) 25+0=25=0+25 d) 23 x 1 = 1 x 23

e) 6 x (2 + 7) = (6 x 2)+(6 x 7)

2) Fill in the blanks with correct numeral in the following:

a) _____ x 1 = 27 b) 6 x 7 = 7 x ____

c) 67 +_____ = 67 d) (9 +120) + 10 = _____ + (120 + 10)

e) (5 x 6) +(5 x 4) =_____ x (6 + 4)

3) Determine the products by suitable arrangements:

a) 8 x 25 x 2 b) 2 x 127 x 50 c) 12 x 50 x 8

4) Solve the following using the distributive property:

a) 24 x 102 b) 127 x 105 c) 912 x 99

5) Using distributive properties, find each of the following products:

a) 20 x 7 + 12 x 7 b) 16 x 12 – 16 x 8 c) 25 x 7 + 8 x 25

6) Write the whole number which is never used as a divisor.

7) We know that 0 x 0 = 0.Is there any whole number such that a x a = a?

8) Is the product of any two odd numbers is an odd number? Is it true for any two even numbers?

9) Simplify 272 x 42 + 272 x 50 + 272 x 8, and name the property applied on it.

10) In a school auditorium 540 seats are arranged in 27 rows .How many seats are there in one row?

11) In a town 1 out 27 people own a car. If the total population of the town is 49626, how many people have cars?

12) Ram sold books for 15 days by selling 10 books each day. Shyam sold books for 10 days by selling 15 books each day. Who sells more books?

13) Tanya bought 21 sets of books and copies. Is the cost of each book is Rs. 35 and that of a copy is Rs. 10, find the total cost of the books and copies.

14) There are 650 students in a school. If 25 students stand in each row during the assembly time, then find the number of rows.

15) There are 10 bowls. In each bowl 12 candies are placed. If 3 candies are taken away from bowl ,how many candies are left in the bowls?

16) Simplify the following by grouping the numbers or using property:

a) 27 + 38 +25 b) 8359x 8 + 8359 x 2

17) Find the quotient of:

a) 720 ÷ 1 b) 0 ÷ 98 c) 105 ÷ 105

18) If A + A = A, what is the value of A?

19) Find the product of the following by writing one of the numbers as the sum or difference of two numbers:

a) 985 x 105 b) 1008 x 95 c) 4096 x 91

20) Determine the product of 25 x 40+25 x 8 by using suitable rearrangement.

21) If *a* and *b* are two distinct non zero whole numbers then ($a \div b$) = ($b \div a$)?

22) Can you find out the predecessor of zero in whole numbers?

23) Fill in the Blanks:

a) 9999 = 9999 + _____

b) 8273 - _____ = 8273

c) 400 + (_____ + 381) = (_____ + 619) +381

d) 27304 + 1532 = _____ + 27304

24) By suitable arrangement find the sum:

a) 477 + 630 + 523 = _____

b) 62 + 697 + 38 + 303 = _____

c) On the number line 750 lies on _____ side of 705.

d) The predecessor of 1 is the smallest _____ number.

e) Whole numbers are not closed under _____ and _____.

f) Whole numbers are communicative under _____ and _____.

g) _____ is called additive identity for whole numbers.

h) Multiplicative identity for whole numbers is _____.

i) 8 x (6 x 10) = (8 x 6) x 10 shows that the multiplication of whole numbers is _____.

j) The whole number which is not used as a divisor is _____.

k) Is there any natural number, which , when added to itself gives that number? _____